

IN THE CLAIMS:

Please amend Claims 3, 15, 21, 28, 32, 47 and 49 as shown below. The claims, as pending in the subject application, now read as follows:

1. (Previously presented) An information processing apparatus which is connected to an image input device and image output device, comprising:
 - an input control unit adapted to control an image input process by the image input device;
 - an output control unit adapted to control an image output process by the image output device;
 - a storage unit adapted to store information of any one of a plurality of input setups and any one of a plurality of output setups, wherein the information corresponds to each of a plurality of image processing modes; and
 - an acquisition unit adapted to acquire the information of an input setup and an output setup corresponding to the image processing mode selected by an operator from said storage unit,wherein said input control unit controls the image input process of the image input device on the basis of the information of the input setup acquired by said acquisition unit, and said output control unit controls the image output process of the image output device on the basis of the information of the output setup acquired by said acquisition unit.

2. (Previously presented) The apparatus according to claim 1, further comprising a display unit adapted to display the plurality of image processing modes.

3. (Currently amended) The apparatus according to claim 1 [[2]], wherein the image input device is an image scanner for scanning a document image, and said input control unit is an image scan controller for controlling an image scan process by the image scanner.

4. (Previously presented) The apparatus according to claim 3, wherein the image output device is a printer for printing an image, and said output control unit is a print controller for controlling an image print process by the printer.

5. (Previously presented) The apparatus according to claim 4, wherein the plurality of image processing modes are a plurality of copy modes which pertain to copy operation that uses the image scanner and the printer, and the information of the input setup and output setup is information of a scan setup and print setup corresponding to each of the plurality of copy modes.

6. (Previously presented) The apparatus according to claim 5, wherein the information of the scan setup includes information which pertains to a scan method and scan resolution.

7. (Previously presented) The apparatus according to claim 5, wherein the information of the print setup includes information which pertains to a print method, print resolution, print medium type, and print quality.

8. (Previously presented) The apparatus according to claim 7, wherein said scan control unit controls the image scanner to scan an image at a resolution lower than the scan resolution contained in the scan setup.

9. (Original) The apparatus according to claim 4, wherein the printer is a printer with an image scan function, which is integrated with the image scanner, and the image scanner is detachable from the printer with the image scan function.

10. (Previously presented) The apparatus according to claim 2, further comprising a generation unit adapted to generate a plurality of image processing modes from the information of the plurality of input setups for controlling the image input device and the information of the plurality of output setups for controlling the image output device,

wherein said storage unit stores the information of an input setup and output setup in correspondence with each of the plurality of generated image processing modes, and said display unit displays each of the plurality of image processing modes stored in said storage unit.

11. (Previously presented) The apparatus according to claim 4, wherein said storage unit stores scan medium size information and print medium size information, which are selected by an operator, and

said apparatus further comprises:

determination unit adapted to determine a copy magnification on the basis of the scan medium size information and print medium size information stored in said storage unit; and

zoom processing unit adapted to zoom an image scanned by the image scanner on the basis of the copy magnification determined by said determination unit.

12. (Previously presented) An information processing apparatus which is connected to an image input device and image output device, comprising:

generation unit adapted to generate a plurality of image processing modes from information of a plurality of input setups for controlling the image input device, and information of a plurality of output setups for controlling the image output device;

storage unit adapted to store the information of any one of the plurality of input setups and the information of any one of the plurality of output setups, wherein the information corresponds to each of the plurality of image processing modes; and

display unit adapted to display each of the plurality of image processing modes stored in said storage unit such that an operator can select any one of the plurality of the image processing modes.

13. (Previously presented) The apparatus according to claim 12, further comprising:

input control unit adapted to control the image input device on the basis of the information of an input setup; and

output control unit adapted to control the image output device on the basis of the information of an output setup.

14. (Previously presented) The apparatus according to claim 13, wherein the image input device is an image scanner for scanning a document image, and said input control unit is an image scan controller for controlling an image scan process by the image scanner.

15. (Currently amended) The apparatus according to claim 14 [[13]], wherein the image output device is a printer for printing an image, and said output control unit is a print controller for controlling an image print process by the printer.

16. (Previously presented) The apparatus according to claim 15, wherein said generation unit generates the plurality of copy modes on the basis of information of scan setup for controlling the image scanner and information of print setup for controlling the printer, and said storage unit stores the information of scan setup and print setup in correspondence with each of the plurality of copy modes.

17. (Previously presented) The apparatus according to claim 16, wherein the information of scan setup includes information which pertains to a scan method and scan resolution.

18. (Previously presented) The apparatus according to claim 16, wherein the information of print setup includes information which pertains to a print method, print resolution, print medium type, and print quality.

19. (Previously presented) An image processing method in an information processing apparatus which is connected to an image input device and image output device, comprising:

acquiring information of an input setup and output setup corresponding to an image processing mode selected by an operator from a memory, which stores information of any one of a plurality of input setups and any one of a plurality of output setups, wherein the information corresponds to each of a plurality of image processing modes;

controlling an image input process of the image input device on the basis of the acquired information of the input setup; and

controlling an image output process of the image output device on the basis of the acquired information of the output setup.

20. (Previously presented) The method according to claim 19, further comprising displaying the plurality of image processing modes on a display.

21. (Currently amended) The method according to claim 19 [[20]], wherein the image input device is an image scanner for scanning a document image, and an image scan controller controls an image scan process by the image scanner.

22. (Previously presented) The method according to claim 21, wherein the image output device is a printer for printing an image, and a print controller controls an image print process by the printer.

23. (Previously presented) The method according to claim 22, wherein the plurality of image processing modes are a plurality of copy modes which pertain to copy operation using the image scanner and the printer, and the information of the input setup and output setup is information of a scan setup and print setup corresponding to each of the plurality of copy modes.

24. (Previously presented) The method according to claim 23, wherein the information of the scan setup includes information which pertains to a scan method and scan resolution.

25. (Previously presented) The method according to claim 23, wherein the information of the print setup includes information which pertains to a print method, print resolution, print medium type, and print quality.

26. (Previously presented) The method according to claim 25, wherein the image scanner is controlled to scan an image at a resolution lower than the scan resolution contained in the scan setup.

27. (Previously presented) The method according to claim 20, further comprising:

generating a plurality of image processing modes from the information of the plurality of input setups for controlling the image input device and the information of the plurality of output setups for controlling the image output device; and

storing in the memory the information of an input setup and output setup in correspondence with each of the plurality of generated image processing modes,

wherein each of the plurality of image processing modes is displayed on the display.

28. (Currently amended) The method according to claim 22, wherein scan medium size information and print medium size information, which are selected by an operator, are pre stored in the memory, and

said method further comprises:

determining a copy magnification on the basis of the stored scan medium size information and print medium size information; and

zooming an image scanned by the image scanner on the basis of the determined copy magnification ~~determined in the~~.

29. (Previously presented) An image processing method in an information processing apparatus which is connected to an image input device and image output device, comprising:

generating a plurality of image processing modes from information of a plurality of input setups for controlling the image input device, and information of a plurality of output setups for controlling the image output device;

storing in a memory the information of any one of the plurality of input setups and the information of any one of the plurality of output setups, wherein the information corresponds to each of the plurality of image processing modes; and

controlling to display on a display each of the plurality of image processing modes such that an operator can select any one of the plurality of the image processing modes.

30. (Previously presented) The method according to claim 29, further comprising:

controlling the image input device on the basis of the information of an input setup; and

controlling the image output device on the basis of the information of an output setup information.

31. (Previously presented) The method according to claim 30, wherein the image input device is an image scanner for scanning a document image, and an image scan controller controls an image scan process by the image scanner.

32. (Currently amended) The method according to claim 31 [[30]], wherein the image output device is a printer for printing an image, and a print controller controls an image print process by the printer.

33. (Previously presented) The method according to claim 32, wherein the plurality of copy modes is generated on the basis of information of scan setup for controlling the image scanner and information of print setup for controlling the printer, and the information of scan setup and print setup is stored in the memory in correspondence with each of the plurality of copy modes.

34. (Previously presented) The method according to claim 33, wherein the information of scan setup includes information which pertains to a scan method and scan resolution.

35. (Previously presented) The method according to claim 33, wherein the information of print setup includes information which pertains to a print method, print resolution, print medium type, and print quality.

36. (Previously presented) A computer readable storage medium which stores a program code of an image processing method in an information processing apparatus which is connected to an image input device and image output device, comprising:

an acquisition code for acquiring information of an input setup and output setup corresponding to an image processing mode selected by an operator from a memory, which stores information of any one of a plurality of input setups and any one of a plurality of output setups, wherein the information corresponds to each of a plurality of image processing modes;

an input control code for controlling an image input process of the image input device on the basis of the information of the input setup information acquired by the acquisition code; and

an output control code for controlling an image output process of the image output device on the basis of the information of the output setup acquired by the acquisition code.

37. (Previously presented) A computer readable storage medium which stores a program code of an image processing method in an information processing apparatus which is connected to an image input device and image output device, comprising:

a generation code for generating a plurality of image processing modes from information of a plurality of input setups for controlling the image input device, and information of a plurality of output setups for controlling the image output device;

a storage code for storing in a memory the information of any one of the plurality of input setups and the information of any one of the plurality of output setups, wherein the information corresponds to each of the plurality of image processing modes; and

a display control code for controlling to display on a display each of the plurality of image processing modes stored by the storage code such that an operator can select any one of the plurality of the image processing modes.

38. (Previously presented) A computer readable memory which stores a program code of an image processing method which is implemented using a scanner driver and printer driver in a host computer which is connected to a scanner and a printer, comprising:

a copy control code for controlling the scanner driver for controlling a scanning process of the scanner and printer driver for controlling a printing process of the printer, and controlling a user interface which is used for a copy operation and displaying copy information; and

a shared information storing code for storing, in a memory, information which is shared and used among the scanner driver, the printer driver, and the copy control code,

wherein the shared information storing code stores information of a plurality of scan setups and a plurality of print setups as copy modes, and

wherein the copy control code acquires information of a scan setup and print setup corresponding to a copy mode selected by an operator from the memory, the information of scan setup is passed to the scanner driver and the information of print setup is passed to the printer driver.

39. and 40. (Canceled)

41. (Previously presented) The medium according to claim 38, wherein the copy control code controls to display the plurality of copy modes on the user interface.

42. (Original) The medium according to claim 41, wherein the setup information includes scan document size information and print paper size information.

43. (Original) The medium according to claim 42, wherein the copy control code controls to acquire the scan document size information and print paper size information selected by the operator from the memory, determine a copy magnification on the basis of the acquired scan document size information and print paper size information, and zoom an image scanned by the scanner on the basis of the determined copy magnifications.

44. (Original) The medium according to claim 38, wherein the copy control code controls to generate a plurality of copy modes from the setup information, and display the plurality of generated copy modes on the user interface in correspondence with the setup information.

45. (Canceled)

46. (Previously presented) The medium according to claim 44, wherein the copy control code generates the plurality of copy modes from information of a scan setup and print setup included in the information.

47. (Currently amended) A program stored on a computer readable medium for implementing an image processing method in an information processing apparatus which is connected to an image input device and image output device, comprising:

acquiring information of an input setup and output setup corresponding to an image processing mode selected by an operator from a memory, which stores information of any one of a plurality of input setups and any one of a plurality of output setups, wherein the information corresponds to each of a plurality of image processing modes;

controlling an image input process of the image input device on the basis of the acquired information of the input setup; and

controlling an image output process of the image output device on the basis of the acquired information of the output setup.

48. (Previously presented) A program stored on a computer readable medium for implementing an image processing method in an information processing apparatus which is connected to an image input device and image output device, comprising:

generating a plurality of image processing modes from information of a plurality of input setups for controlling the image output device, and information of a plurality of output setups for controlling the image output device;

storing in a memory the information of any one of the plurality of input setups and the information of any one of the plurality of output setups, wherein the information corresponds to each of the plurality of image processing modes; and

controlling to display on a display each of the plurality of image processing modes such that an operator can select any one of the plurality of the image processing modes.

49. (Currently amended) A program stored on a computer readable medium ~~code~~ for implementing an image processing method that uses a scanner driver and printer driver in a host computer which is connected to a scanner and printer, comprising:

controlling the scanner driver for controlling a scanning process of the scanner and printer driver for controlling a printing process of the printer, and controlling a user interface which is used for ~~[[for]]~~ a copy operation and displaying copy information; and

storing, in a memory, information which is shared and used among the scanner driver, the printer driver, and the controlling,

wherein information of a plurality of scan setups and a plurality of print setups is stored as copy modes, and

wherein information of a scan setup and print setup corresponding to a copy mode selected by an operator is acquired from the memory, the information of scan setup is passed to the scanner driver and the information of print setup is passed to the printer driver.

50. and 51. (Canceled).

52. (Previously presented) The program according to claim 49, wherein the plurality of copy modes is displayed on the user interface.

53. (Original) The program according to claim 52, wherein the setup information includes scan document size information and print paper size information.

54. (Previously presented) The program according to claim 52, wherein the scan document size information and print paper size information selected by the operator are acquired from the memory, a copy magnification is determined on the basis of the acquired scan document size information and print paper size information, and an image scanned by the scanner is zoomed on the basis of the determined copy magnifications.

55. (Previously presented) The program according to claim 49, wherein a plurality of copy modes is generated from the information, and the plurality of copy modes is displayed on the user interface in correspondence with the information.

56. (Canceled).

57. (Previously presented) The program according to claim 55, wherein the plurality of copy modes is generated from information of scan setup and print setup included in the information.